

CLASSIFICATION SECRET - U.S. OFFICIALS ONLY

CENTRAL INTELLIGENCE AGENCY

REPORT

## INFORMATION REPORT

CD NO.

COUNTRY East Germany

DATE DISTR. 31 January 1955

SUBJECT Tube Production at VEB Werk fuer  
Fernmeldewesen, Berlin-OberschoeneweideNO. OF PAGES 2  
25X1PLACE  
ACQUIREDNO. OF ENCLS.  
(LISTED BELOW)DATE OF  
INFO.SUPPLEMENT TO  
REPORT NO.

THIS DOCUMENT CONTAINS INFORMATION AFFECTING THE NATIONAL DEFENSE  
OF THE UNITED STATES, WITHIN THE MEANING OF TITLE 18, SECTIONS 793  
AND 794, OF THE U. S. CODE, AS AMENDED. ITS TRANSMISSION OR REVEL-  
ATION OF ITS CONTENTS TO OR RECEIPT BY AN UNAUTHORIZED PERSON  
IS PROHIBITED BY LAW THE REPRODUCTION OF THIS FORM IS PROHIBITED.

THIS IS UNEVALUATED INFORMATION

1. In May and June 1954, the "Werk fuer Fernmeldewesen HF" (Telecommunication Engineering Plant) experienced difficulties in the production of radio tubes and special tubes owing to defective insulation between the filament and the cathode. The enterprise did not succeed in eliminating this defect. An experiment to have the cathode casings (Kathodenhuelser) sprayed with alkaline-earth carbonates proved a failure. The cathode nickel was found to contain such a high percentage of magnesium that a reflecting layer was formed in the bulb by the vaporisation and sublimation of magnesium. Major difficulties were also experienced in the manufacture of thyratrons. The stabilizers had an uneven cathode surface and were liable to imperfect rectification (Rueckzuendung). Messgeraete-Werk (plant engaged in the manufacture of measuring sets) Zwoenitz rejected tubes of types 6 A 6, 6 AC 7, and 6 SK 7, stabilizers, high-voltage rectifiers, and thyratrons, mainly because of oxydized socket pins. Difficulties previously experienced in the field of image tubes were eliminated. These difficulties were caused by impurity in the distilled water and a faulty composition of the raw materials used for the manufacture of fluorescent substances. Technical acceptance conditions for the 12" image tubes arrived from Moscow. It was intended to increase the output of these image tubes.
 

25X1
2. Of the money planned to be invested by the Werk fuer Fernmeldewesen HF in 1954, a sum of ~~1,000,000~~ Eastmarks was earmarked for control measurements of tubes. While only spot tests had been made previously, these tests were henceforth to cover the entire production. The previous procedure was to have five tubes tested out of a batch of fifty. If two of the tubes tested were defective, the entire batch of tubes was tested. A plan was drawn up for the equipping of the various departments of the enterprise with the measuring devices required. About 80 percent of the devices was scheduled to be built at the Berlin-Rummelsburg branch plant of "Werk HF" by late August 1954. The remainder was to be built at the same branch plant by late 1954.
 

25X1

25X1

CLASSIFICATION SECRET - U.S. OFFICIALS ONLY

STATE	<input checked="" type="checkbox"/> NAVY	<input checked="" type="checkbox"/> NSRB	DISTRIBUTION				
ARMY	<input checked="" type="checkbox"/> AIR						

25X1

SECRET/CONTROL - U.S. OFFICIALS ONLY

-2-

3. It was allegedly intended by "Werk HF" to make Manager ~~Paul Mueller~~ a candidate for the title "Held der Arbeit" (hero of labor); Dr Richter (fnu) and Mrs Thurley (fnu) candidates for the title "Verdienter Erfinder" (meritorious inventor); Wetzel (fnu) a candidate for the title "Verdienter Aktivist" (meritorious activist) and Dr ~~Robert Schiller~~ a candidate for the title "Verdienter Techniker" (meritorious technician).

25X1

SECRET/CONTROL - U.S. OFFICIALS ONLY